

ACT Profile Report - State

Graduating Class 2009
Minnesota



Table of Contents

Section I: Executive Summary	Page 5
Percent of Your Students Ready for College-Level Coursework	
Five Year Trends—Percent of Students Meeting College Readiness Benchmarks	
Five Year Trends—Average ACT Scores	
Five Year Trends—Average ACT Scores by Level of Preparation	
Five Year Trends—Percent and Average Composite Score by Race/Ethnicity	
Section II: Academic Achievement	Page 9
ACT Score Distributions, Cumulative Percentages, Averages, and Quartile Values	
Average ACT Composite Scores for Race/Ethnicity by Level of Preparation	
Average ACT Scores by Race/Ethnicity	
Percent of Students in College Readiness Standards Score Ranges	
Average ACT Scores by Gender	
Percent of Students Meeting College Readiness Benchmark Scores by Gender	
College Readiness Benchmark Percent and Average ACT Scores by Overall High School Curriculum	
College Readiness Benchmark Percent and Average ACT Scores by Content-Specific Curriculum	
Section III: College Readiness & Impact of Course Rigor	Page 15
Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity	
Average ACT Scores and Average ACT Score Changes by Common Course Patterns	
College Readiness Percents by Common Course Patterns	
Section IV: Career and Educational Aspirations	Page 23
Distribution of Planned Educational Majors for All Students by College Plans	
Average ACT Composite Scores for Racial/Ethnic Groups by Post-Secondary Educational Aspirations	
Students' Score Report Preferences at Time of Testing	
Section V: Optional Writing Test Results	Page 27
Average ACT English and Writing Scores by Race/Ethnicity and Gender for students who took ACT Writing	

This report provides information about the performance of your 2009 graduating seniors who took the ACT as sophomores, juniors, or seniors; and self-reported at the time of testing that they were scheduled to graduate in 2009 and tested under standard time conditions.

This report focuses on:

Performance - student test performance in the context of college readiness

Access - number of your graduates exposed to college entrance testing and the percent of race/ethnicity participation

Course Selection - percent of students pursuing a core curriculum

Course Rigor - impact of rigorous coursework on achievement

College Readiness - percent of students meeting ACT College Readiness Benchmark Scores in each content area

Awareness - extent to which student aspirations match performance

Articulation - colleges and universities to which your students send test results

Each year, test data for a school, district, and the state represents a different cohort of students. ACT encourages educators to focus on trends (3, 5, 10 years), not year-to-year changes. Such changes can represent normal – even expected – fluctuations. On the other hand, trend lines offer more insight into what is happening in a school, district, or the state.

Further, ACT encourages educators to measure student performance in the context of college readiness measures. The focus should be on the number and percentage of students meeting or exceeding ACT's College Readiness Benchmark Scores, a measure that is much more meaningful and understandable than an average composite score for a group of students.

The ACT is a curriculum-based measure of college readiness. ACT components include:

- Tests of academic achievement in English, math, reading, science, and writing (optional)
- High school grade and course information
- Student Profile Section
- Career Interest Inventory

The ACT:

Every few years, ACT conducts the **ACT National Curriculum Survey** to ensure its curriculum-based assessment tools accurately measure the skills high school teachers teach and instructors of entry-level college courses expect. The ACT is the only college readiness test designed to reflect the results of such a survey.

ACT's **College Readiness Standards** are sets of statements intended to help students, parents and educators understand the meaning of test scores. The standards relate test scores to the types of skills needed for success in high school and beyond. They serve as a direct link between what students have learned and what they are ready to do next. The ACT is the only college readiness test for which scores can be tied directly to standards.

Only the ACT reports **College Readiness Benchmark Scores** – A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college courses, which include English Composition, Algebra, Social Science and Biology. These scores were empirically derived based on the actual performance of students in college. The College Readiness Benchmark Scores are:

College Course/Course Area	ACT Test	Benchmark Score
English Composition	English	18
Algebra	Mathematics	22
Social Sciences	Reading	21
Biology	Science	24

For more information, go to www.act.org

How to Improve Scores and Increase College Readiness

32% of your students met all four ACT College Readiness Benchmark Scores (Table 1.1). To improve students' scores and increase the percentage of students identified as college ready, ACT suggests:

PROVIDING ACCESS FOR ALL STUDENTS TO TAKE THE ACT: 43,642 of your students are included in this report (the 'cohort'). Increasing access insures that more students have the opportunity to consider college and allows the reader to use this report to evaluate how well courses and instructional programs are preparing students for college and work.

MAKING CORE CURRICULUM A PRIORITY: Emphasize the need for all students to develop college and work ready skills, regardless of postsecondary aspirations. 83% of the students in the cohort reported taking courses that would be considered 'Core or More' (Table 1.4).

MAKING SURE STUDENTS ARE TAKING THE RIGHT KINDS OF COURSES: Table 3.2 reports 5% of the cohort took less than three years of math courses. Of these students, 16% were college ready. 12% of the cohort reported taking the minimum math core (Algebra I, Algebra II, and Geometry). 20% of these students were college ready. In comparison, 64% of the students who advanced beyond minimum math core were college ready. Getting more students ready for Algebra prior to 9th grade will increase the chances that students will be prepared for and take advanced-level math courses.

Similarly, Table 3.2 reports 9% of the cohort took less than three years of natural science courses. 16% of these students were college ready. In comparison, 42% of students who took at least three years of science coursework were college ready.

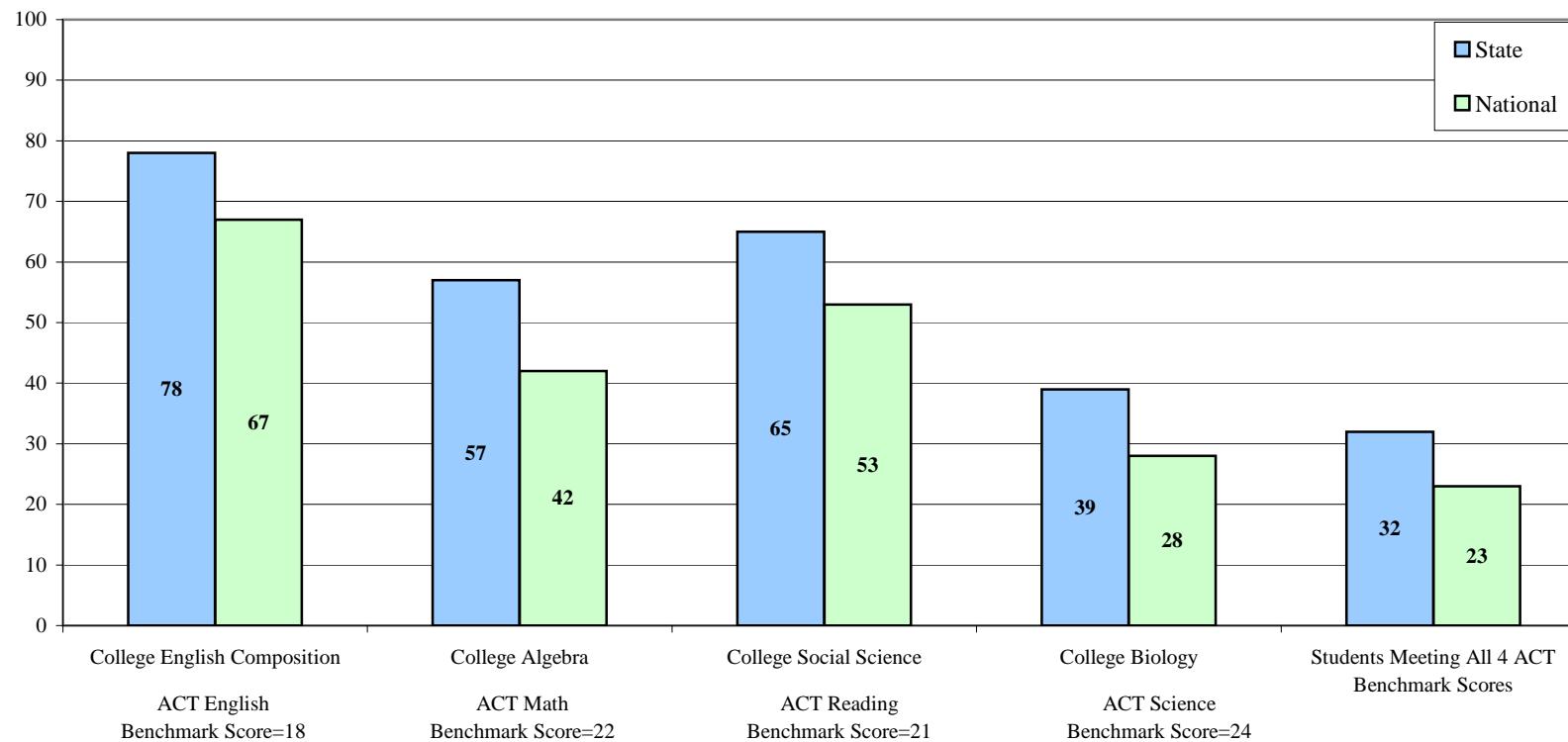
EVALUATING RIGOR OF COURSES: Table 2.6 reports the percentage of students falling in each of the ACT College Readiness Standards score ranges. For example, approximately 31% of the cohort fall into the lowest three Mathematics score ranges. To increase these students' achievement, identify the standards they should focus on next by accessing ACT's College Readiness Standards at www.act.org/standard.

PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS: Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact your regional office at 847-634-2560.

Section I

Executive Summary

Figure 1.1. Percent of Your Students Ready for College-Level Coursework

A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college course.

Table 1.1. Five Year Trends—Percent of Students Meeting College Readiness Benchmarks

Year	Number of Students Tested		English		Mathematics		Reading		Science		Meeting All Four	
	State	National	State	National	State	National	State	National	State	National	State	National
2005	41,646	1,186,251	76	68	53	41	61	51	37	26	29	21
2006	41,650	1,206,455	76	69	52	42	62	53	37	27	28	21
2007	43,534	1,300,599	78	69	56	43	62	53	38	28	31	23
2008	44,863	1,421,941	77	68	56	43	64	53	40	28	32	22
2009	43,642	1,480,469	78	67	57	42	65	53	39	28	32	23

Table 1.2. Five Year Trends—Average ACT Scores

Year	Number of Students Tested		English		Mathematics		Reading		Science		Composite	
	State	National	State	National	State	National	State	National	State	National	State	National
2005	41,646	1,186,251	21.6	20.4	22.1	20.7	22.7	21.3	22.4	20.9	22.3	20.9
2006	41,650	1,206,455	21.6	20.6	22.1	20.8	22.6	21.4	22.3	20.9	22.3	21.1
2007	43,534	1,300,599	21.8	20.7	22.5	21.0	22.8	21.5	22.5	21.0	22.5	21.2
2008	44,863	1,421,941	21.9	20.6	22.6	21.0	23.0	21.4	22.5	20.8	22.6	21.1
2009	43,642	1,480,469	22.0	20.6	22.7	21.0	23.1	21.4	22.6	20.9	22.7	21.1

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Year	Number of Students Tested		English		Mathematics		Reading		Science		Composite	
	State	National	State	National	State	National	State	National	State	National	State	National
2005	1,186,251		20.4		20.7		21.3		20.9		20.9	
2006	1,206,455		20.6		20.8		21.4		20.9		21.1	
2007	1,300,599		20.7		21.0		21.5		21.0		21.2	
2008	1,421,941		20.6		21.0		21.4		20.8		21.1	
2009	1,480,469		20.6		21.0		21.4		20.9		21.1	

Table 1.4. Five Year Trends—Average ACT Scores by Level of Preparation

Year	Number of Students Tested		Percent ²		English		Mathematics		Reading		Science		Composite	
	Core or More ¹	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core
2005	25,926	11,868	62	28	22.3	19.9	22.9	20.5	23.3	21.2	23.0	21.1	23.0	20.8
2006	24,263	12,426	58	30	22.4	20.0	22.9	20.5	23.3	21.3	22.9	21.2	23.0	20.9
2007	23,486	13,094	54	30	22.6	20.4	23.3	21.1	23.5	21.6	23.1	21.4	23.3	21.3
2008	29,929	10,196	67	23	22.4	20.4	23.1	21.0	23.4	21.9	22.9	21.3	23.1	21.3
2009	36,057	7,072	83	16	22.6	19.7	23.2	20.3	23.5	21.1	23.0	20.7	23.2	20.6

¹"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

²Percent of all students tested. Numbers will not add up to 100% due to student non-response.

Table 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity

	2005			2006			2007			2008			2009		
	N	%	Avg												
All Students	41,646	100	22.3	41,650	100	22.3	43,534	100	22.5	44,863	100	22.6	43,642	100	22.7
African American/Black	1,137	3	17.6	1,188	3	17.8	1,324	3	17.4	1,629	4	17.6	1,786	4	17.8
American Indian/Alaska Native	202	0	20.0	241	1	19.9	290	1	19.7	239	1	20.6	275	1	20.2
Caucasian American/White	34,579	83	22.6	33,426	80	22.6	32,692	75	22.9	35,010	78	23.0	35,563	81	23.2
Hispanic	609	1	20.4	578	1	20.1	681	2	20.5	812	2	20.3	871	2	20.4
Asian American/Pacific Islander	1,910	5	20.3	1,952	5	20.4	1,939	4	20.4	2,133	5	20.4	2,265	5	20.4
Other/No Response	3,209	8	22.8	4,265	10	22.4	6,608	15	22.8	5,040	11	23.2	2,882	7	22.8

Section II

Academic Achievement

Table 2.1. ACT Score Distributions, Cumulative Percentages (CP¹), and Score Averages

ACT Scale Score	English		Mathematics		Reading		Science		Composite		ACT Scale Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	167	100	143	100	490	100	154	100	25	100	36
35	585	100	320	100	281	99	295	100	139	100	35
34	734	98	515	99	966	98	383	99	340	100	34
33	670	97	702	98	1,383	96	377	98	487	99	33
32	754	95	745	96	981	93	403	97	658	98	32
31	880	93	823	94	1,550	91	722	96	998	96	31
30	1,191	91	756	93	1,733	87	931	95	1,286	94	30
29	1,221	89	1,699	91	1,770	83	1,151	93	1,560	91	29
28	1,635	86	1,977	87	1,864	79	1,440	90	1,898	87	28
27	1,606	82	2,264	82	1,930	75	1,633	87	2,209	83	27
26	2,004	78	3,131	77	1,880	70	2,531	83	2,611	78	26
25	2,821	74	3,126	70	1,939	66	4,348	77	3,000	72	25
24	2,570	67	3,349	63	2,551	62	2,774	67	3,177	65	24
23	2,781	61	2,914	55	2,660	56	4,267	61	3,389	58	23
22	3,255	55	2,262	49	2,612	50	3,410	51	3,599	50	22
21	3,459	48	2,691	43	3,723	44	4,150	43	3,575	42	21
20	3,103	40	2,549	37	2,584	35	4,462	34	3,198	34	20
19	2,522	33	2,553	31	2,702	29	3,415	23	2,980	26	19
18	2,014	27	2,692	25	1,684	23	2,229	16	2,532	20	18
17	1,789	22	3,318	19	2,315	19	1,118	10	2,027	14	17
16	2,038	18	2,949	12	1,772	14	1,083	8	1,506	9	16
15	1,780	13	1,496	5	1,333	10	722	5	1,013	6	15
14	1,016	9	484	2	1,301	7	553	4	731	3	14
13	919	7	126	1	779	4	509	2	407	2	13
12	603	5	42	1	389	2	241	1	200	1	12
11	562	3	7	1	286	1	189	1	66	1	11
10	434	2	4	1	76	1	69	1	21	1	10
9	310	1	2	1	52	1	56	1	7	1	9
8	136	1	1	1	33	1	17	1	3	1	8
7	50	1	0	1	13	1	4	1	0	1	7
6	25	1	0	1	0	1	3	1	0	1	6
5	8	1	0	1	8	1	2	1	0	1	5
4	0	1	1	1	2	1	1	1	0	1	4
3	0	1	0	1	0	1	0	1	0	1	3
2	0	1	0	1	0	1	0	1	0	1	2
1	0	1	1	1	0	1	0	1	0	1	1
Avg (SD)	22.0 (5.8)		22.7 (5.0)		23.1 (5.9)		22.6 (4.6)		22.7 (4.7)		Avg (SD)

¹CP is the cumulative percent of students at or below a score point.

Note: Shaded portions of columns identify the students who met/exceeded the ACT College Readiness Benchmark Scores.

Table 2.2. ACT Subscore Distributions, Cumulative Percentages (CP¹), and Subtest Score Averages

ACT Scale Score	English				Reading				Mathematics								ACT Scale Score	
	Usage/ Mechanics		Rhetorical Skills		Social Studies		Arts/ Literature		Pre/Elementary Algebra		Algebra/ Coordinate Geometry		Plane Geometry/ Trigonometry					
	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP		
18	1,871	100	689	100	1,776	100	2,478	100	2,223	100	493	100	609	100	100	18		
17	1,833	96	468	98	2,402	96	2,040	94	3,143	95	609	99	327	99	99	17		
16	2,225	92	3,220	97	2,876	90	4,013	90	2,626	88	1,614	97	2,002	98	98	16		
15	2,708	86	3,330	90	3,792	84	4,203	80	3,405	82	1,774	94	3,672	93	93	15		
14	2,745	80	3,852	82	3,125	75	4,131	71	3,622	74	5,647	90	4,473	85	85	14		
13	3,159	74	4,496	74	3,701	68	2,408	61	3,624	66	3,786	77	7,245	75	75	13		
12	3,827	67	5,955	63	5,278	60	3,948	56	5,540	57	6,210	68	4,280	58	58	12		
11	4,388	58	4,994	50	4,035	47	4,257	47	3,861	45	4,770	54	6,129	48	48	11		
10	5,133	48	5,300	38	4,064	38	3,488	37	4,247	36	8,437	43	5,318	34	34	10		
9	4,799	36	4,199	26	5,048	29	3,031	29	3,321	26	4,797	24	3,812	22	22	9		
8	3,031	25	2,929	16	3,002	17	3,653	22	3,815	18	2,840	13	2,988	13	13	8		
7	3,019	18	1,874	10	2,648	10	2,374	14	3,001	10	1,284	6	907	6	6	7		
6	2,108	11	855	5	1,046	4	1,727	8	889	3	479	3	847	4	4	6		
5	1,371	6	805	3	474	2	1,304	4	205	1	586	2	565	2	2	5		
4	917	3	440	2	176	1	362	1	72	1	127	1	213	1	1	4		
3	386	1	198	1	135	1	164	1	37	1	130	1	154	1	1	3		
2	118	1	35	1	43	1	59	1	8	1	26	1	74	1	1	2		
1	4	1	3	1	21	1	2	1	3	1	33	1	27	1	1	1		
Avg (SD)	11.0 (3.6)		11.4 (3.0)		11.8 (3.3)		11.8 (3.7)		12.0 (3.3)		11.3 (2.7)		11.6 (2.8)		Avg (SD)			

¹CP is the cumulative percent of students at or below a score point.

Table 2.3. ACT Score Quartile Values

Quartile	English	Mathematics	Reading	Science	Composite
Q3 (75th Percentile)	26	26	28	25	26
Q2 (50th Percentile)	22	23	23	22	22
Q1 (25th Percentile)	18	18	19	20	19

Table 2.4. Average ACT Composite Scores for Race/Ethnicity by Level of Preparation

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More ¹	Average ACT Composite Score Core or More	Average ACT Composite Score Less Than Core
State	All Students	43,642	83	23.2	20.6
	African American/Black	1,786	73	18.4	16.2
	American Indian/Alaska Native	275	74	20.9	18.1
	Caucasian American/White	35,563	84	23.6	21.1
	Hispanic	871	78	21.0	18.2
	Asian American/Pacific Islander	2,265	82	21.0	17.7
	Other/No Response	2,882	80	23.3	21.1
National	All Students	1,480,469	70	22.0	19.1
	African American/Black	196,149	64	17.6	15.9
	American Indian/Alaska Native	15,773	59	20.1	17.4
	Caucasian American/White	941,206	73	23.0	20.1
	Hispanic	133,569	67	19.6	17.3
	Asian American/Pacific Islander	59,093	80	23.7	21.4
	Other/No Response	134,679	63	22.2	19.0

¹"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

Table 2.5. Average ACT Scores by Race/Ethnicity

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	All Students	22.0	22.7	23.1	22.6	22.7
	African American/Black	16.4	18.1	17.8	18.2	17.8
	American Indian/Alaska Native	19.1	19.8	20.9	20.4	20.2
	Caucasian American/White	22.6	23.1	23.6	23.0	23.2
	Hispanic	19.2	20.4	20.8	20.5	20.4
	Asian American/Pacific Islander	19.0	21.4	19.9	20.8	20.4
	Other/No Response	22.3	22.7	23.4	22.5	22.8
National	All Students	20.6	21.0	21.4	20.9	21.1
	African American/Black	16.0	17.1	16.9	17.2	16.9
	American Indian/Alaska Native	17.9	18.7	19.4	19.1	18.9
	Caucasian American/White	21.9	21.9	22.6	21.9	22.2
	Hispanic	17.7	19.1	18.9	18.8	18.7
	Asian American/Pacific Islander	22.6	24.5	22.7	22.7	23.2
	Other/No Response	20.4	21.0	21.3	20.7	20.9

Table 2.6. Percent of Students in College Readiness Standards (CRS) Score Ranges

Student Group	CRS Range	English		Mathematics		Reading		Science	
		N	%	N	%	N	%	N	%
State	33 to 36	2,156	5	1,680	4	3,120	7	1,209	3
	28 to 32	5,681	13	6,000	14	7,898	18	4,647	11
	24 to 27	9,001	21	11,870	27	8,300	19	11,286	26
	20 to 23	12,598	29	10,416	24	11,579	27	16,289	37
	16 to 19	8,363	19	11,512	26	8,473	19	7,845	18
	13 to 15	3,715	9	2,106	5	3,413	8	1,784	4
	01 to 12	2,128	5	58	0	859	2	582	1
National	33 to 36	60,269	4	45,198	3	74,801	5	26,524	2
	28 to 32	154,245	10	139,060	9	205,090	14	104,787	7
	24 to 27	251,396	17	293,477	20	226,630	15	287,693	19
	20 to 23	376,203	25	300,212	20	361,756	24	492,815	33
	16 to 19	303,385	20	495,592	33	334,831	23	367,167	25
	13 to 15	179,194	12	198,214	13	195,336	13	131,197	9
	01 to 12	155,777	11	8,716	1	82,025	6	70,286	5

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	Average ACT Scores						
		N	Percent	English	Mathematics	Reading	Science	Composite
State	Males	20,419	47	21.7	23.5	23.2	23.2	23.0
	Females	23,074	53	22.3	22.0	23.0	22.0	22.5
	Missing	149	0	23.1	23.4	24.2	22.8	23.5
National	Males	668,165	45	20.2	21.6	21.3	21.4	21.3
	Females	808,097	55	20.9	20.4	21.4	20.4	20.9
	Missing	4,207	0	20.3	21.2	21.5	20.8	21.1

Table 2.8. Percent of Students Meeting College Readiness Benchmark Scores by Gender

Student Group	Gender	Percent of Students					Meet All Four
		English	Mathematics	Reading	Science	All Four	
State	Males	76	63	65	45	37	
	Females	79	51	64	34	28	
National	Males	65	47	52	33	27	
	Females	69	38	53	24	20	

Table 2.9. College Readiness Benchmark (CRB) Percent and Average ACT Scores by Overall High School Curriculum

Student Group	Curriculum Taken ¹	N	English		Mathematics		Reading		Science		Composite	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB % ³	Avg
State	Core or More ²	36,057	81	22.6	61	23.2	68	23.5	43	23.0	36	23.2
	Less than Core	7,072	63	19.7	35	20.3	51	21.1	23	20.7	17	20.6
	Missing	513	49	17.7	31	19.6	39	19.3	18	19.6	14	19.2
National	Core or More	1,039,502	75	21.7	50	21.9	59	22.3	34	21.7	28	22.0
	Less than Core	391,458	52	18.3	25	18.9	38	19.4	16	19.2	12	19.1
	Missing	49,509	35	15.9	16	17.5	25	17.3	10	17.6	7	17.2

¹"Curriculum Taken" reflects overall high school curriculum in this table.²"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.³Composite CRB% results reflect students who meet all four subject-area benchmarks.**Table 2.10. College Readiness Benchmark (CRB) Percent and Average ACT Scores by Content-Specific Curriculum**

Student Group	Curriculum Taken ¹	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
State	Core or More	42,166	78	22.2	41,280	59	23.0	41,296	65	23.2	39,472	42	22.9
	Less than Core	1,116	61	19.1	1,897	16	18.1	1,984	57	22.1	3,785	16	19.9
	Missing	360	55	18.5	465	32	19.6	362	45	20.1	385	22	20.2
National	Core or More	1,367,549	70	20.9	1,334,313	46	21.4	1,287,169	55	21.7	1,206,541	32	21.5
	Less than Core	73,276	42	16.8	101,413	7	16.5	151,264	41	19.7	230,683	12	18.4
	Missing	39,644	37	16.1	44,743	17	17.5	42,036	26	17.5	43,245	11	17.7

¹"Curriculum Taken" reflects content-specific curriculum in this table.

For instance, Reading "Core or More" results correspond to students taking three or more years of social studies, regardless of courses taken in other content areas.

Section III

College Readiness and the

Impact of Course Rigor

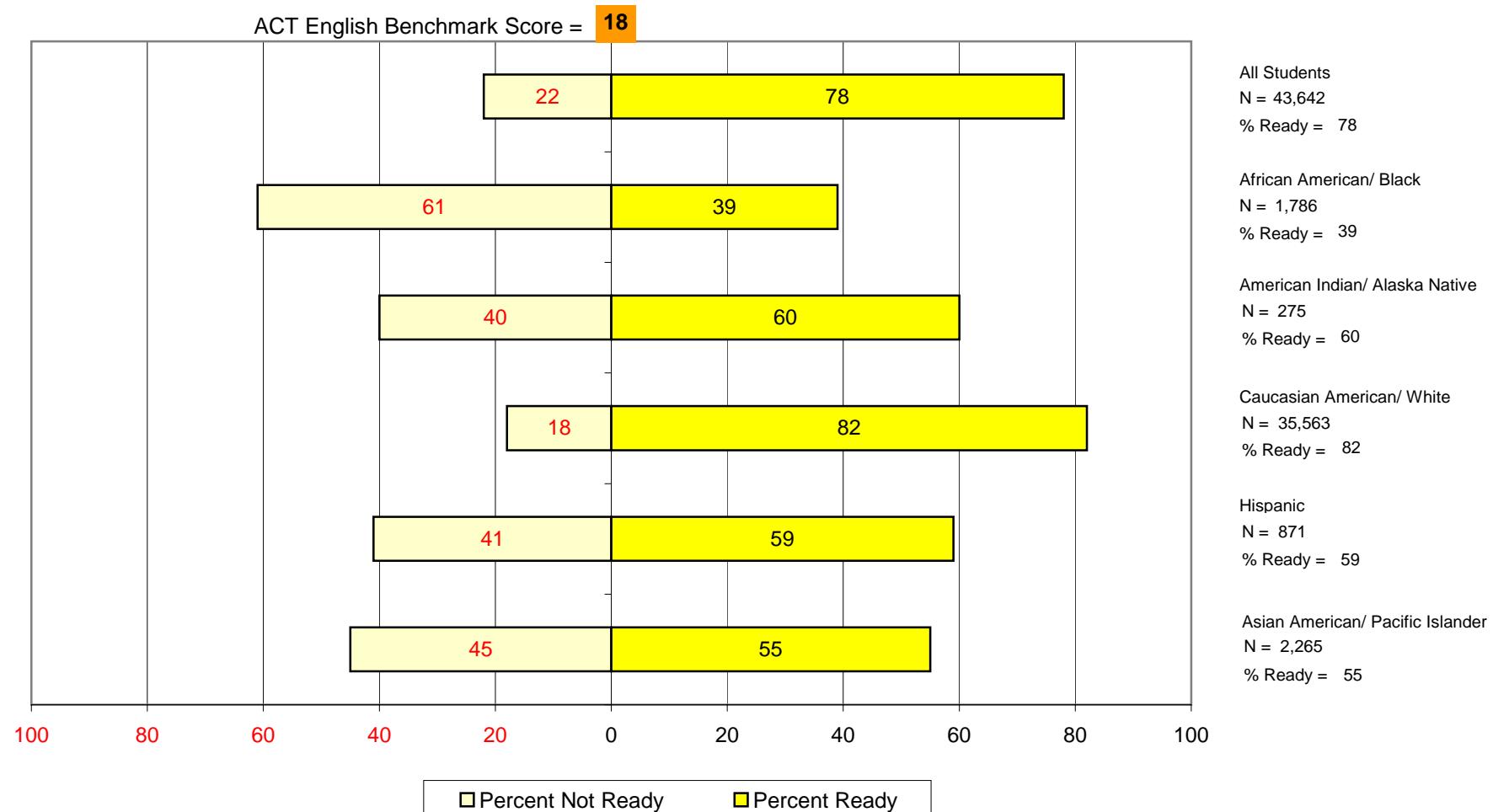
Figure 3.1. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ENGLISH

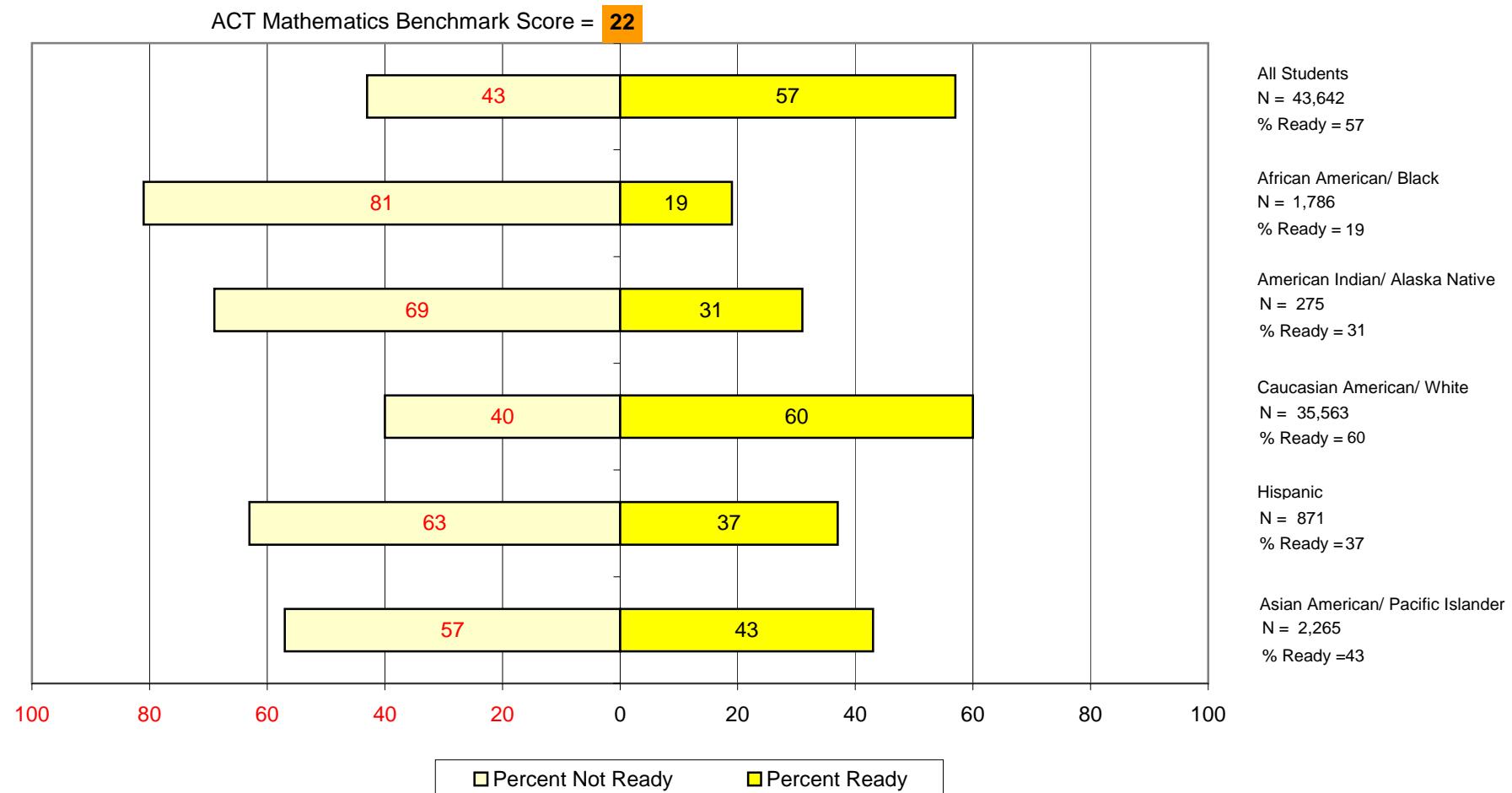
Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

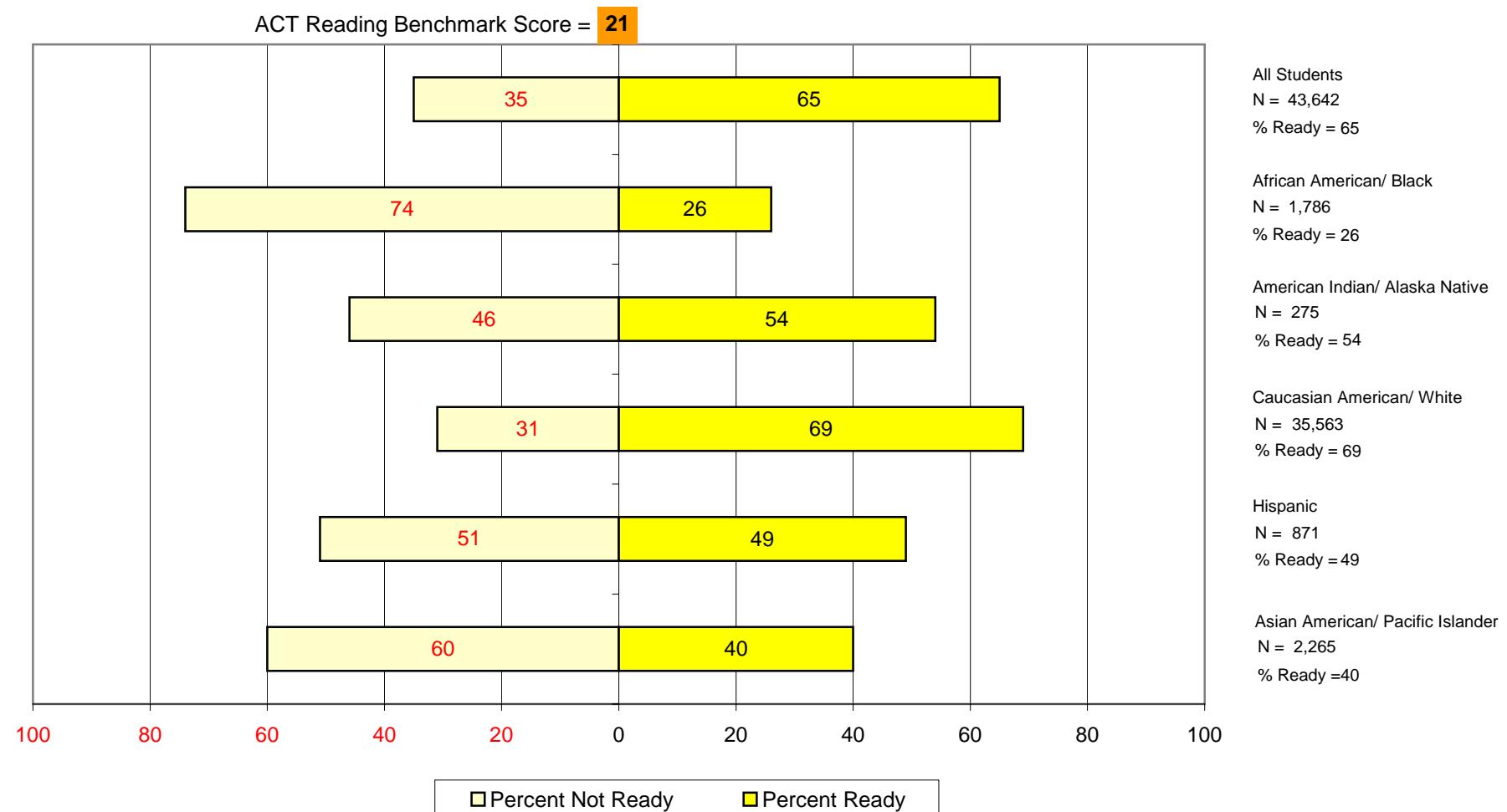


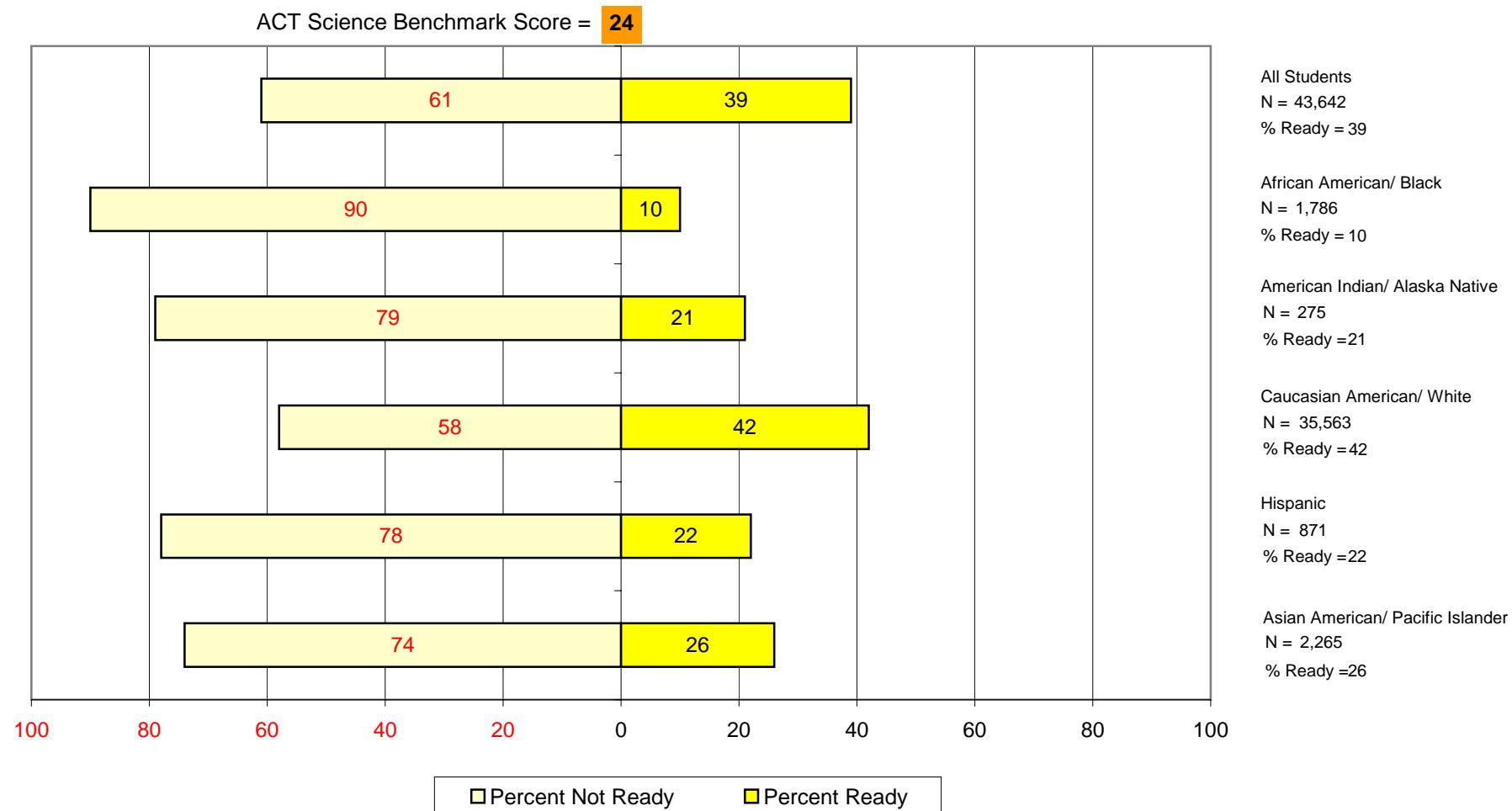
Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR

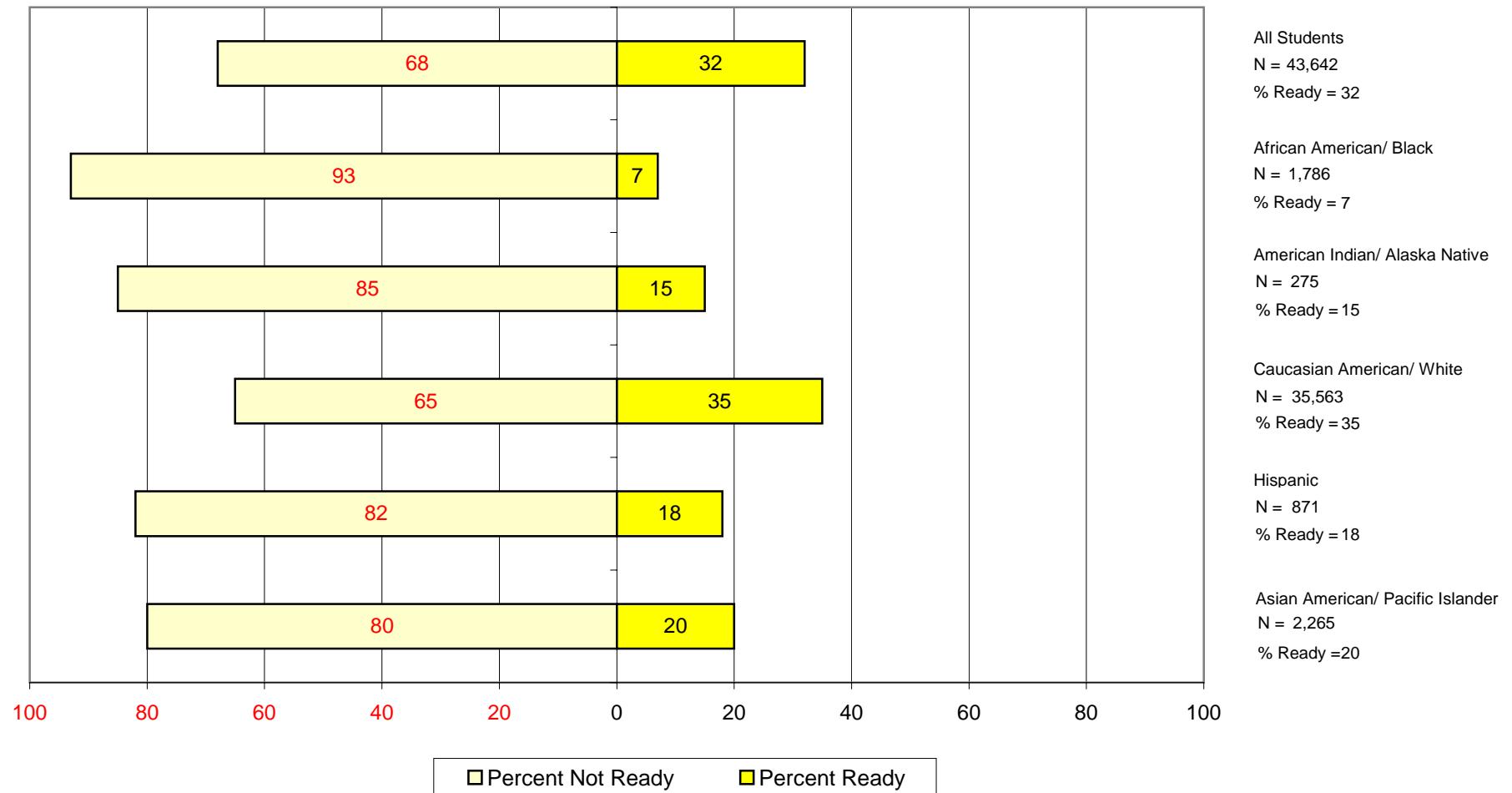


Table 3.1. Average ACT Scores and Average ACT Score Changes by Common Course Patterns

Course Pattern	All Students					Males					Females				
	N	Percent	ACT English	Course Value Added ¹	N	Percent	ACT English	Course Value Added ¹	N	Percent	ACT English	Course Value Added ¹			
ENGLISH COURSE PATTERN															
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	16,012	37	22.7	3.6	6,785	33	22.2	3.2	9,183	40	23.0	3.8			
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	26,154	60	21.8	2.7	12,895	63	21.6	2.6	13,175	57	22.0	2.8			
Less than 4 years of English	1,127	3	19.1	-	543	3	19.0	-	575	2	19.2	-			
No English course/grade information reported	349	1	18.6	-	196	1	18.3	-	141	1	18.6	-			
MATHEMATICS COURSE PATTERN	N	Percent	ACT Math	Course Value Added ¹	N	Percent	ACT Math	Course Value Added ¹	N	Percent	ACT Math	Course Value Added ¹			
Alg 1, Alg 2, Geom, Trig, & Calc	3,013	7	25.4	7.3	1,433	7	26.3	7.8	1,573	7	24.7	6.9			
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	4,913	11	22.7	4.6	2,081	10	23.2	4.7	2,818	12	22.3	4.5			
Alg 1, Alg 2, Geom, & Trig	2,563	6	20.7	2.6	1,160	6	21.2	2.7	1,395	6	20.2	2.4			
Alg 1, Alg 2, Geom, & Other Adv Math	6,893	16	21.2	3.1	2,678	13	21.8	3.3	4,204	18	20.8	3.0			
Other comb of 4 or more years of Math	16,897	39	25.1	7.0	8,848	43	25.6	7.1	7,991	35	24.4	6.6			
Alg 1, Alg 2, & Geom (Min. Core)	5,066	12	18.7	0.6	2,170	11	19.2	0.7	2,874	12	18.4	0.6			
Other comb of 3 or 3.5 years of Math	1,935	4	21.7	3.6	957	5	22.2	3.7	970	4	21.1	3.3			
Less than 3 years of Math	1,984	5	18.1	-	881	4	18.5	-	1,094	5	17.8	-			
No Math course/grade information reported	378	1	20.2	-	211	1	20.7	-	155	1	19.3	-			
SOCIAL SCIENCE COURSE PATTERN	N	Percent	ACT Reading	Course Value Added ¹	N	Percent	ACT Reading	Course Value Added ¹	N	Percent	ACT Reading	Course Value Added ¹			
US Hist, World Hist, Am Gov, & Other Hist	578	1	24.4	2.3	315	2	24.1	1.8	261	1	24.7	2.9			
Other comb of 4 or more years Social Science	31,034	71	23.1	1.0	14,177	69	23.2	0.9	16,776	73	23.0	1.2			
US Hist, World Hist, & Am Gov (Min. Core)	662	2	22.7	0.6	369	2	23.2	0.9	287	1	22.3	0.5			
Other comb of 3 or 3.5 years of Social Science	9,022	21	23.4	1.3	4,326	21	23.5	1.2	4,659	20	23.3	1.5			
Less than 3 years of Social Science	1,990	5	22.1	-	1,034	5	22.3	-	945	4	21.8	-			
No Soc Sci course/grade information reported	356	1	20.1	-	198	1	20.2	-	146	1	19.8	-			
NATURAL SCIENCE COURSE PATTERN	N	Percent	ACT Science	Course Value Added ¹	N	Percent	ACT Science	Course Value Added ¹	N	Percent	ACT Science	Course Value Added ¹			
Gen Sci ² , Bio, Chem, & Phys	23,913	55	23.6	3.7	12,095	59	24.3	4.1	11,743	51	22.8	3.2			
Bio, Chem, Phys	1,401	3	24.0	4.1	680	3	24.8	4.6	715	3	23.2	3.6			
Gen Sci ² , Bio, Chem (Min. Core)	12,816	29	21.6	1.7	4,913	24	21.8	1.6	7,870	34	21.4	1.8			
Other comb of 3 years of Natural Science	1,342	3	21.8	1.9	775	4	22.4	2.2	561	2	21.0	1.4			
Less than 3 years of Natural Science	3,813	9	19.9	-	1,757	9	20.2	-	2,040	9	19.6	-			
No Nat Sci course/grade information reported	357	1	20.4	-	199	1	20.7	-	145	1	19.7	-			

¹Course value added is defined as the average ACT score change compared to a less than core course sequence.²Includes General, Physical and Earth Sciences.

Table 3.2. College Readiness Percents by Common Course Patterns

Course Pattern	N	State			N	National		
		Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark		Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark
ENGLISH COURSE PATTERN								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	16,012	37	22.7	82	338,118	23	22.0	76
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	26,154	60	21.8	76	1,029,431	70	20.6	68
Less than 4 years of English	1,127	3	19.1	61	74,090	5	16.7	42
No English course/grade information reported	349	1	18.6	55	38,830	3	16.1	37
MATHEMATICS COURSE PATTERN	N	Percent Taking Pattern	Avg ACT Math	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Math	Percent Meeting Benchmark
Alg 1, Alg 2, Geom, Trig, & Calc	3,013	7	25.4	78	92,630	6	24.5	71
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	4,913	11	22.7	61	135,244	9	22.1	56
Alg 1, Alg 2, Geom, & Trig	2,563	6	20.7	40	110,962	7	20.0	35
Alg 1, Alg 2, Geom, & Other Adv Math	6,893	16	21.2	46	220,868	15	20.1	36
Other comb of 4 or more years of Math	16,897	39	25.1	75	455,130	31	23.9	66
Alg 1, Alg 2, & Geom (Min. Core)	5,066	12	18.7	20	248,747	17	17.5	12
Other comb of 3 or 3.5 years of Math	1,935	4	21.7	47	70,732	5	20.1	35
Less than 3 years of Math	1,984	5	18.1	16	105,591	7	16.5	7
No Math course/grade information reported	378	1	20.2	37	40,565	3	17.7	18
SOCIAL SCIENCE COURSE PATTERN	N	Percent Taking Pattern	Avg ACT Reading	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Reading	Percent Meeting Benchmark
US Hist, World Hist, Am Gov, & Other Hist	578	1	24.4	71	46,754	3	22.8	61
Other comb of 4 or more years Social Science	31,034	71	23.1	65	735,636	50	22.0	57
US Hist, World Hist, & Am Gov (Min. Core)	662	2	22.7	63	84,543	6	20.6	47
Other comb of 3 or 3.5 years of Social Science	9,022	21	23.4	65	420,236	28	21.3	52
Less than 3 years of Social Science	1,990	5	22.1	56	152,775	10	19.7	40
No Soc Sci course/grade information reported	356	1	20.1	45	40,525	3	17.5	26
NATURAL SCIENCE COURSE PATTERN	N	Percent Taking Pattern	Avg ACT Science	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Science	Percent Meeting Benchmark
Gen Sci ¹ , Bio, Chem, & Phys	23,913	55	23.6	48	563,824	38	22.2	39
Bio, Chem, Phys	1,401	3	24.0	52	141,531	10	23.3	47
Gen Sci ¹ , Bio, Chem (Min. Core)	12,816	29	21.6	29	459,833	31	20.1	21
Other comb of 3 years of Natural Science	1,342	3	21.8	34	41,353	3	19.8	21
Less than 3 years of Natural Science	3,813	9	19.9	16	233,215	16	18.4	11
No Nat Sci course/grade information reported	357	1	20.4	23	40,713	3	17.7	11

¹Includes General, Physical and Earth Sciences.

Section IV

Career and Educational Aspirations

Table 4.1. Distribution of Planned Educational Majors for All Students by College Plans

Planned Educational Major	All Students			Plan on 2 Years or Less of College			Plan on 4 Years or More of College		
	N ¹	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp
Agriculture Sciences & Technologies	714	2	20.5	103	5	18.4	578	2	20.9
Architecture & Environmental Design	928	2	22.6	41	2	18.7	833	2	22.9
Business & Management	4,727	11	22.1	141	7	18.1	4,291	11	22.3
Business & Office	347	1	20.3	30	2	17.3	288	1	20.9
Marketing & Distribution	441	1	21.3	8	0	17.9	403	1	21.4
Communications & Comm. Technologies	994	2	23.1	25	1	19.0	916	2	23.3
Community & Personal Services	1,014	2	20.0	104	5	17.7	840	2	20.4
Computer & Information Sciences	908	2	23.0	66	3	19.7	750	2	23.5
Cross-Disciplinary Studies	117	0	25.1	0	0	.	105	0	25.2
Education	1,691	4	22.3	39	2	18.3	1,566	4	22.4
Teacher Education	1,185	3	21.4	24	1	18.0	1,092	3	21.5
Engineering	1,880	4	25.1	39	2	18.1	1,755	5	25.4
Engineering-Related Technologies	1,409	3	24.0	64	3	18.9	1,260	3	24.4
Foreign Languages	341	1	24.1	5	0	20.6	309	1	24.4
Health Sciences & Allied Health Fields	7,560	17	22.1	375	20	18.5	6,761	18	22.5
Human, Family & Consumer Science	418	1	19.8	51	3	18.2	335	1	20.2
Letters	368	1	25.8	9	0	18.6	336	1	26.0
Mathematics	566	1	26.0	6	0	20.8	534	1	26.1
Philosophy, Religion & Theology	305	1	23.4	6	0	18.8	278	1	23.7
Sciences (Biological & Physical)	2,972	7	25.0	24	1	19.3	2,808	7	25.1
Social Sciences	2,695	6	23.5	27	1	19.9	2,520	7	23.7
Trade & Industrial	461	1	20.2	176	9	19.1	260	1	20.9
Visual & Performing Arts	2,533	6	22.6	154	8	19.0	2,162	6	22.9
Undecided	8,358	19	22.8	370	19	18.7	7,079	19	23.1
No Response	710	2	20.1	27	1	18.0	153	0	20.8

¹2-Year and 4-Year "N" counts do not reflect "Missing" and "Other" institution types, therefore they may not add up to the N count for All Students.

²Percent of students tested within College Plan groups (All Students, 2-Year, 4-Year).

Table 4.2. Average ACT Composite Scores for Racial/Ethnic Groups by Post-Secondary Educational Aspirations

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		African American/Black		American Indian/Alaska Native		Caucasian American/White		Hispanic		Asian American/Pacific Islander		Other/No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	310	18.9	9	15.2	6	16.5	268	19.2	5	14.8	6	14.7	16	18.8
2-yr College Degree	1,604	18.6	60	15.3	16	18.5	1,331	19.0	34	17.4	87	15.5	76	17.6
Bachelors Degree	21,632	21.9	603	17.1	132	19.5	18,560	22.3	351	19.7	886	19.0	1,100	21.8
Graduate Study	6,790	24.8	194	19.3	28	21.8	5,749	25.2	111	23.1	267	22.6	441	24.6
Prof. Level Degree	9,790	24.3	598	19.0	73	22.0	7,434	25.0	243	21.8	678	23.0	764	24.4
Other	849	20.0	44	15.7	7	16.1	652	20.5	22	18.2	50	18.0	74	20.2
No Response	2,667	21.8	278	16.4	13	19.2	1,569	23.3	105	18.3	291	18.7	411	22.6

Table 4.3. Students' Score Report Preferences at Time of Testing

Name	State	Number of Students			Percent of Students in College Readiness Standards Ranges						
		Total	1st Choice	2nd-6th Choice	01-12	13-15	16-19	20-23	24-27	28-32	33-36
UNIVERSITY OF MINNESOTA-TWIN CITIES	Minnesota	10,446	4,293	6,153	1	5	16	29	30	18	2
UNIVERSITY OF MINNESOTA-DULUTH	Minnesota	6,321	1,848	4,473	0	2	19	37	30	11	1
MINNESOTA STATE UNIVERSITY MANKATO	Minnesota	4,657	1,533	3,124	1	5	28	39	21	6	0
SAINT CLOUD STATE UNIVERSITY	Minnesota	4,105	1,183	2,922	1	6	29	38	21	6	0
WINONA STATE UNIVERSITY	Minnesota	2,898	865	2,033	0	4	24	41	24	7	0
NORTH DAKOTA STATE UNIVERSITY	North Dakota	2,835	820	2,015	0	3	19	38	27	13	1
UNIVERSITY OF SAINT THOMAS-MN	Minnesota	2,362	490	1,872	1	4	14	29	33	18	2
UNIV OF WISCONSIN-MADISON	Wisconsin	2,256	534	1,722	0	1	5	19	37	32	5
UNIVERSITY OF NORTH DAKOTA	North Dakota	1,879	601	1,278	0	2	19	38	27	12	1
BEMIDJI STATE UNIVERSITY	Minnesota	1,818	580	1,238	0	4	28	41	20	6	0
MINNESOTA STATE UNIVERSITY MOORHEAD	Minnesota	1,603	442	1,161	1	4	27	40	21	7	0
GUSTAVUS ADOLPHUS COLLEGE	Minnesota	1,375	330	1,045	0	2	10	27	33	25	3
UNIV OF WISCONSIN-EAU CLAIRE	Wisconsin	1,347	289	1,058	0	1	15	38	33	11	1
COLLEGE OF ST BENEDICT/ST JOHN'S UNIV	Minnesota	1,278	424	854	0	2	11	29	37	19	2
CONCORDIA COLLEGE-MOORHEAD	Minnesota	1,112	338	774	0	2	14	34	30	17	2
UNIV OF WISCONSIN-RIVER FALLS	Wisconsin	1,109	290	819	1	4	28	37	24	6	0
SAINT OLAF COLLEGE	Minnesota	1,083	273	810	0	2	8	19	31	35	6
BETHEL UNIVERSITY	Minnesota	1,057	345	712	0	3	15	30	33	17	1
IOWA STATE UNIVERSITY	Iowa	998	231	767	0	1	9	26	35	26	3
AUGSBURG COLLEGE	Minnesota	980	261	719	2	11	24	30	23	9	1
HAMLINE UNIVERSITY	Minnesota	898	174	724	1	7	20	30	24	16	2
UNIV OF WISCONSIN-LA CROSSE	Wisconsin	886	194	692	0	1	15	39	32	12	1
COLLEGE OF SAINT SCHOLASTICA	Minnesota	866	275	591	0	2	16	38	32	12	0
UNIV OF WISCONSIN-STOUT	Wisconsin	830	235	595	0	3	27	41	22	5	0
SOUTH DAKOTA STATE UNIVERSITY	South Dakota	817	254	563	0	4	24	37	26	9	0
UNIVERSITY OF MINNESOTA-MORRIS	Minnesota	806	199	607	0	2	15	32	33	15	3
NORTHWESTERN COLLEGE	Minnesota	797	310	487	0	3	16	31	35	13	1
SOUTHWEST MINNESOTA STATE UNIVERSITY	Minnesota	732	220	512	0	5	33	35	21	5	0
COLL OF ST CATHERINE-ST PAUL CAMPUS	Minnesota	604	162	442	1	10	24	33	22	8	0
NCAA ELIGIBILITY CENTER	Indiana	570	269	301	1	5	21	34	24	14	1
All Other Institutions		31,039	8,386	22,653	1	7	21	27	24	17	3
Total		90,364	26,648	63,716	1	5	20	31	26	15	2

Section V

Optional Writing Test Results

Table 5.1. Average ACT English and Writing Scores by Race/Ethnicity and Gender for students who took ACT Writing

	N		English		Average ACT Scores			
					Essay		English/Writing Combined	
	State	National	State	National	State	National	State	National
All Students	29,954	814,713	22.7	21.5	7.3	7.2	21.8	20.8
African American/Black	1,338	96,225	16.6	16.5	6.4	6.4	16.6	16.5
American Indian/Alaska Native	194	5,489	19.4	18.9	6.5	6.7	18.7	18.5
Caucasian American/White	23,769	497,164	23.3	22.8	7.3	7.3	22.3	21.9
Hispanic	616	85,681	20.0	18.4	7.1	7.0	19.6	18.4
Asian American/Pacific Islander	1,837	44,716	19.4	23.5	7.1	7.6	19.2	22.8
Other/No Response	2,200	85,438	23.0	21.4	7.3	7.2	22.0	20.8
Males	13,562	357,025	22.5	21.1	7.0	6.9	21.4	20.3
Females	16,270	455,190	22.8	21.7	7.5	7.4	22.1	21.2
Missing	122	2,498	23.7	22.1	7.1	7.2	22.4	21.3

